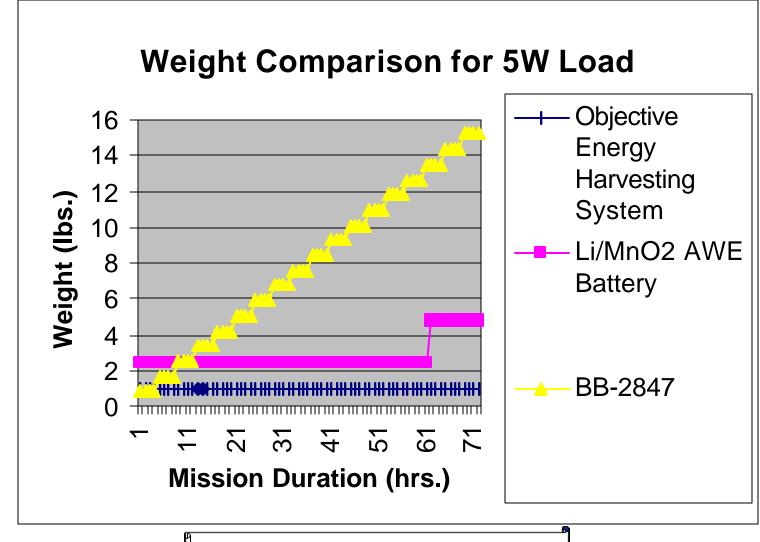


#### CECOM ENERGY HARVESTING



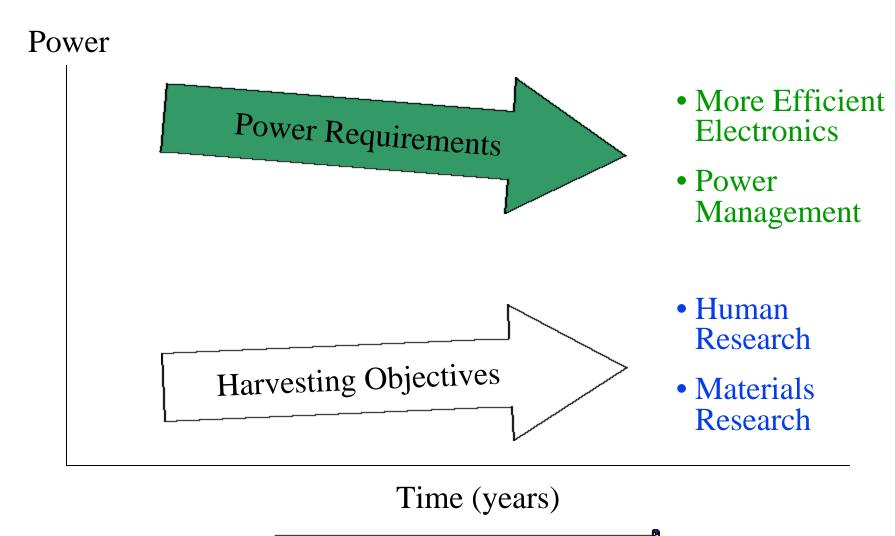




### CECOM ENERGY HARVESTING



### Why Harvest Energy?





# CECOM ENERGY HARVESTING Schedule of Activities



JOAN 806	FY 00			FY 01 \$300K (\$50K/\$250K before tax)				FY 02 \$382K (\$72K/\$310K before tax)				
KINETICS	\$231K ( <mark>\$56K</mark> /\$175K)											
(ENERGY HARVESTING)	1	2	3	4	1	2	3	4	1	2	3	4
BIOMEDICAL RESEARCH				•								
(USARIEM)												
ENERGY HARVESTING BAA												
- BAA Solicitation	۸											
<ul> <li>Contract Award for Feasibility</li> </ul>												
Prototype (14 Jan 00)		<b>^</b> (\$175K)			<b>^</b> (\$250	K)			<b>^</b> (\$215K	)		
- Feasibility Study												
- Conceptual Designs							-					
- Fabricate Breadboards												
- Lab Evaluation								4			•	
- User Evaluation											•	
- Potential Transition to												۸
PM Soldier												
DUS&T BAA												
- DUS&T Solicitation		۸										
- Contract Award for Dual-						(\$285K)			<b>^</b> (\$95K)			
Use Energy Harv. Device												
- Development of Novel Dual-												
Use Energy Harv. Device												
ENERGY HARVESTING SYSTEM												
EVALUATION												
STO Contract Funding												
STO In-House Funding												
DUS&T Funding												



## CECOM ENERGY HARVESTING On-Going Related Activities



ISWC



- IBM Systems Journal "Human-Powered Wearable Computing"
- Army Research Lab Wearable Sensors
- Prior Belvoir Studies
- Baygen/Freeplay
   Heel-strike and coiled spring systems

- Space Power Institute / ARO
   (Prospector Series)
   "Human Powered Systems
   Technologies", A. Ballato
- PC Magazine, Oct 99
   Compaq "Magnetic Keyboard" patent application
- MIT
  Wearable Computing





Energy Harvesting Program

 CECOM Energy Harvesting for the Soldier

**CECOM Bottom Line: THE SOLDIER**